



02. CODE OF PRACTICE

PREFERRED METHODS OF CONSTRUCTION

02.02 WOOD FLOORS – OVER CONCRETE WITH RUBBER UNDERLAYMENTS

It is strongly advised that **direct-bonding** of conventional “T&G” Timber Floors **direct to concrete sub-floors** is not recommended.

If Rubber Underlayments are designed into (or under) a Wood Floor System, then the recommended method is to sheet the rubber with structural grade, exterior waterproof plywood, to enable a timber-to-timber bond to be established between the timber floor and sub floor.

Recommended method for establishing Structural Plywood Sub base over Rubber Underlay, is (as detailed for strip flooring over concrete).

RECOMMENDED METHODOLOGY

Check that tolerances of concrete sub base conform with minimum requirements of planeness and levelness of the code, being maximum 5 mm deviation anywhere under a 3 metre straightedge.

Adjust sub floor levels as necessary, using only highest quality concrete underlayments used strictly in accordance with the manufacturers printed instructions.

Fix Rubber Underlay to concrete sub base utilising Waterproof Polyurethane Adhesive Systems used strictly in accordance with manufacturer’s recommendations.

Fix minimum thickness 18 mm Exterior Waterproof Structural Plywood, through Rubber Underlay, to prepared concrete floor utilising a high quality Waterproof Polyurethane Adhesive System in accordance with the manufacturers printed instructions, leaving a 4 mm joint between sheets.

Mechanically fasten plywood sheets to structural concrete using steel anchors of sufficient length to achieve minimum of 50 mm purchase into parent slab. (NOTE: this means assessing thickness of any topping or underlayment before selecting choice of anchor length).